

HYDROXYPROLINE DERIVATIVES**Publication number:** WO9947546**Publication date:** 1999-09-23**Inventor:** YAGI AKIRA (JP); SHIDA TAKAO (JP); LIU KE-XIN (CN); KAKU TAIICHI (JP)**Applicant:** JAPAN BIOPRODUCTS IND CO LTD (JP); YAGI AKIRA (JP); SHIDA TAKAO (JP); LIU KE-XIN (CN); KAKU TAIICHI (JP)**Classification:****- international:** C07D207/16; C07D487/04; C07K5/06; C07K5/078; C07K5/12; A61K38/00; C07D207/00; C07D487/00; C07K5/00; A61K38/00; (IPC1-7): C07D487/04; C07K5/062; A61K31/495; A61K38/05**- European:** C07D207/16; C07D487/04; C07K5/06A1H1; C07K5/06H2; C07K5/12**Application number:** WO1998JP03993 19980904**Priority number(s):** JP19980087960 19980316**Also published as:**EP1067138 (A1)
US6635620 (B1)
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AU775091B (B2)**Cited documents:**JP5032533
JP2186994
JP5043408
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Hydroxyproline derivatives represented by general formulae (1), (2) and (3) and remedies for impaired organs and tissues containing the same, wherein R represents hydrogen or optionally substituted alkyl. The derivatives have cell proliferation activities, cell protecting effects and the like and are useful for restoration or regeneration of impaired organs or tissues.

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